

City of Virginia Beach Emergency Operations Center



Design Considerations:
Physical, Technological, Manageability

Previous EOC



Building An EOC

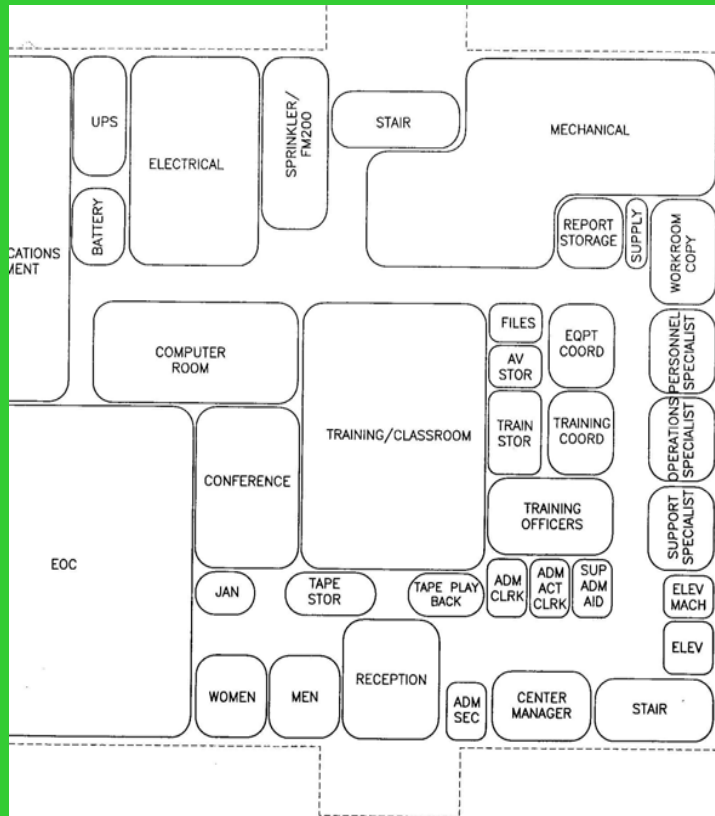
- **Physical Aspects**
 - **Building**
 - **Furniture and Environment**
- **Technological Considerations**
 - **Equipment**
 - **Software**
- **Management Process**

Physical Building

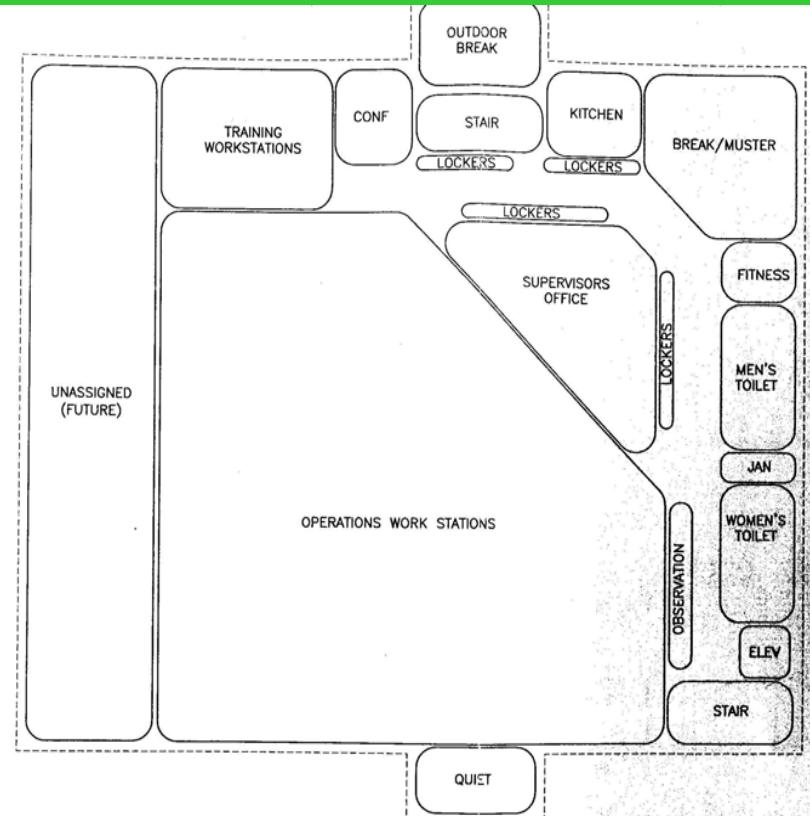
Building Design



Building Design

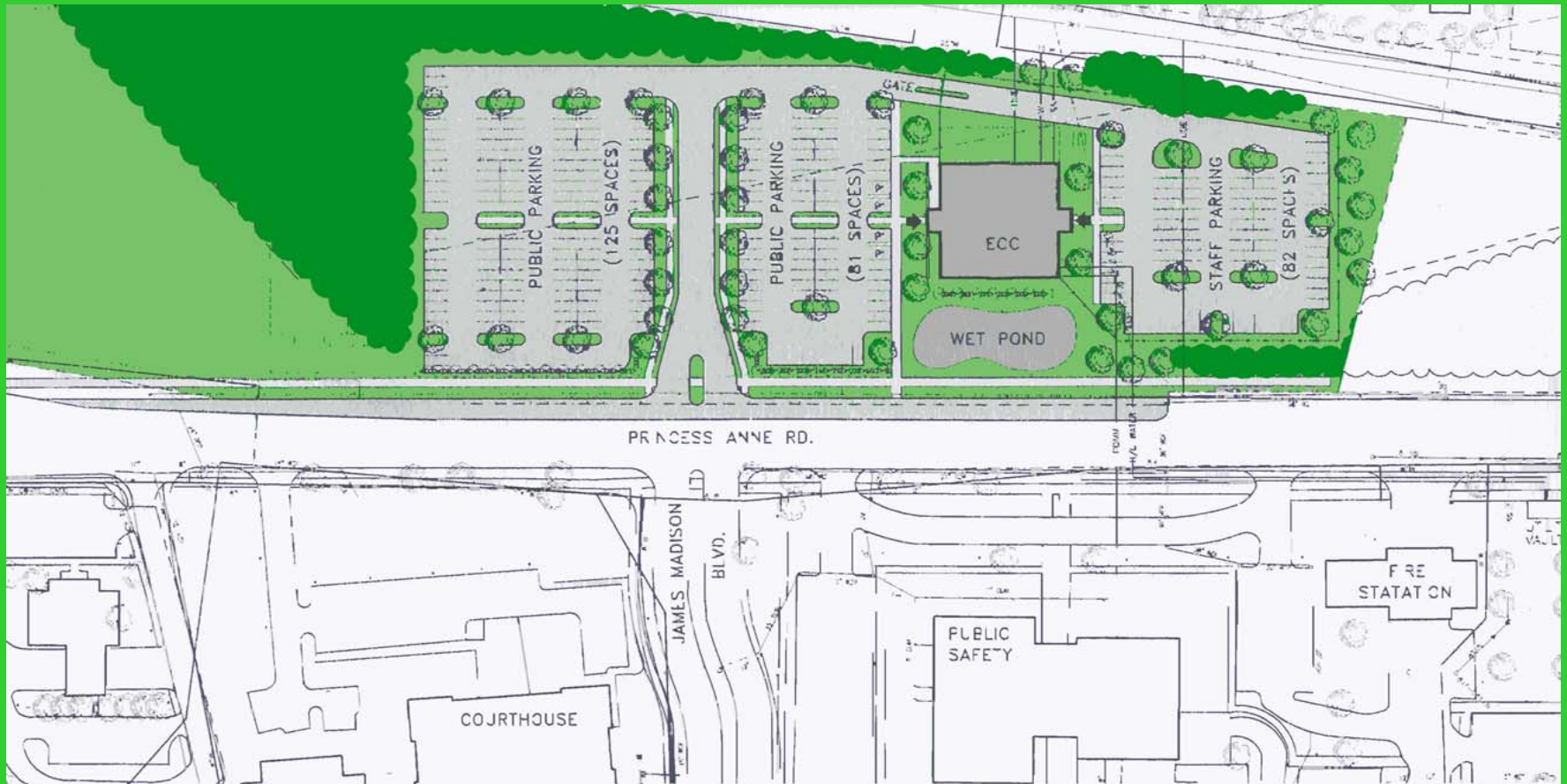


↑
PUBLIC
ENTRANCE
FIRST FLOOR



SECOND FLOOR

Site Selection



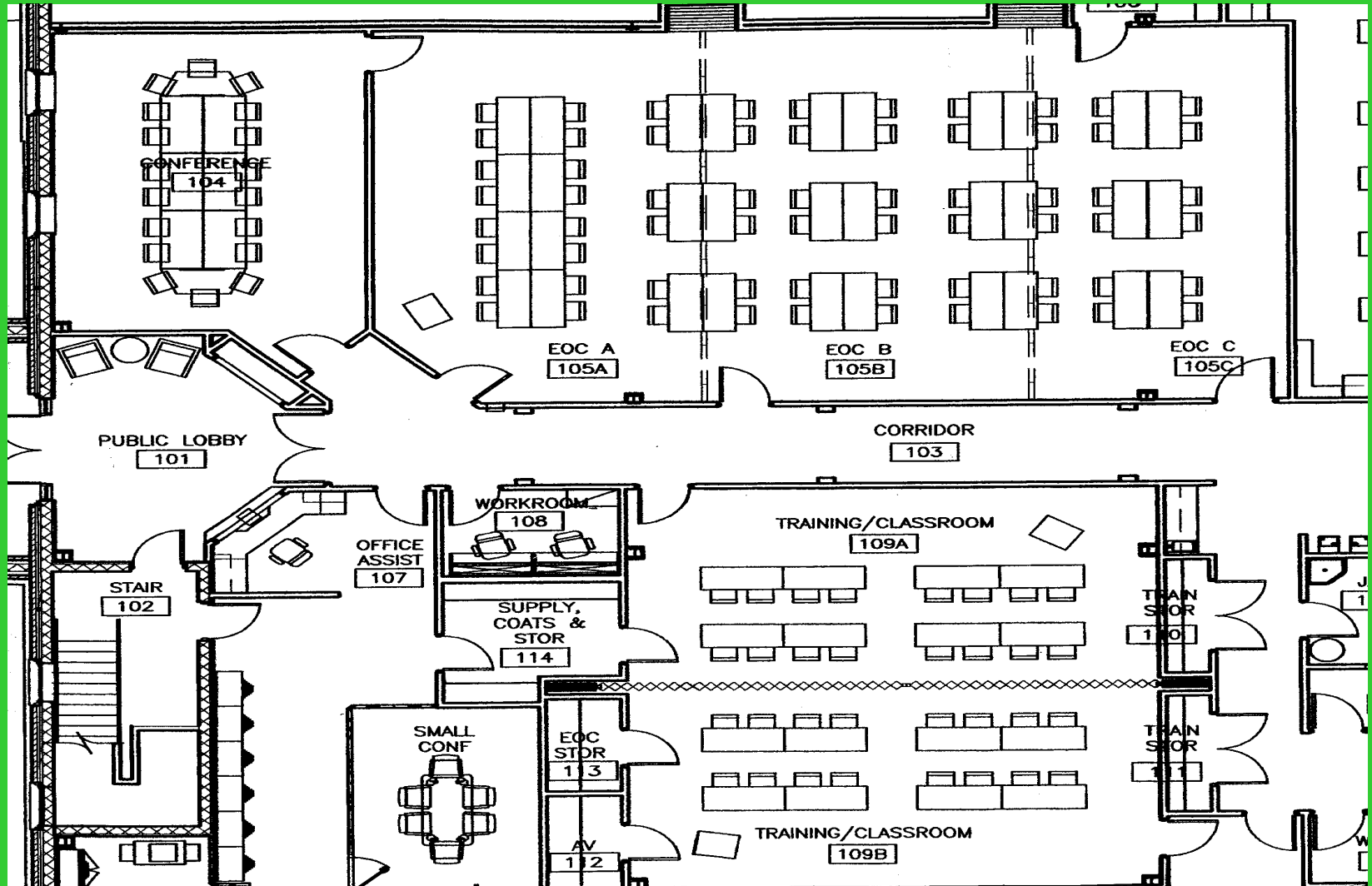
EMERGENCY COMMUNICATION CENTER SITE PLAN - CONCEPT A

SITE STUDY AND BUILDING MODEL FOR A NEW ECC
VIRGINIA BEACH, VIRGINIA

Building Design



Room and Space Layout



Building and Room Features



New EOC



Joint Information Center











Conference Room



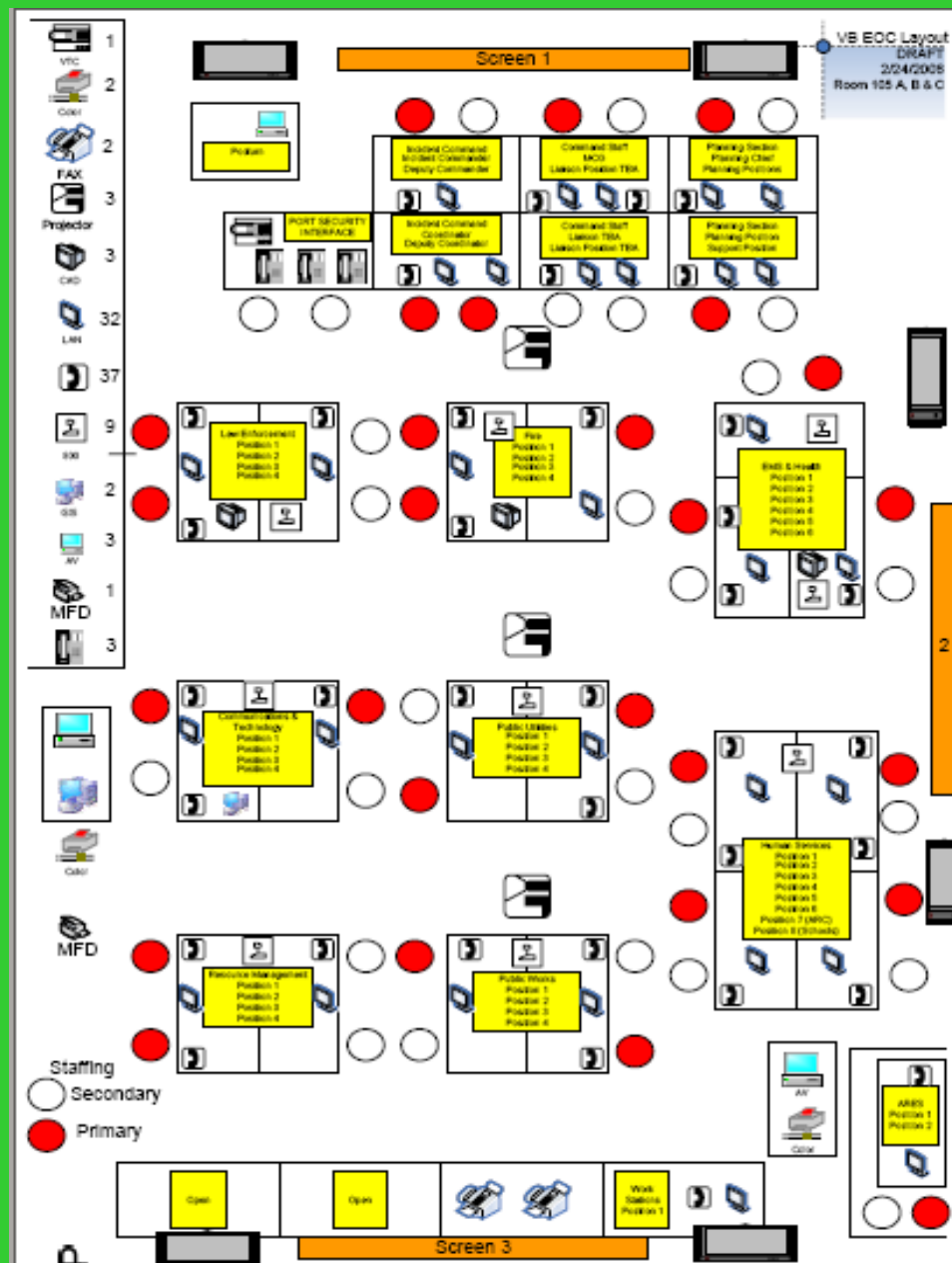
Technology

Technology

- Projection Systems (DVD, RGB, VHS)
- Television (Cable, Satellite)
- Computer/Network/Devices
- Telecommunications
- 800 Radio
- Regional Interoperability Project
- Weather Station

	1
VTC	
	2
Color	
	2
FAX	
	3
Projector	
	3
CAD	
	32
LAN	
	37
	9
800	
	2
GIS	
	3
AV	
	1
MFD	
	3

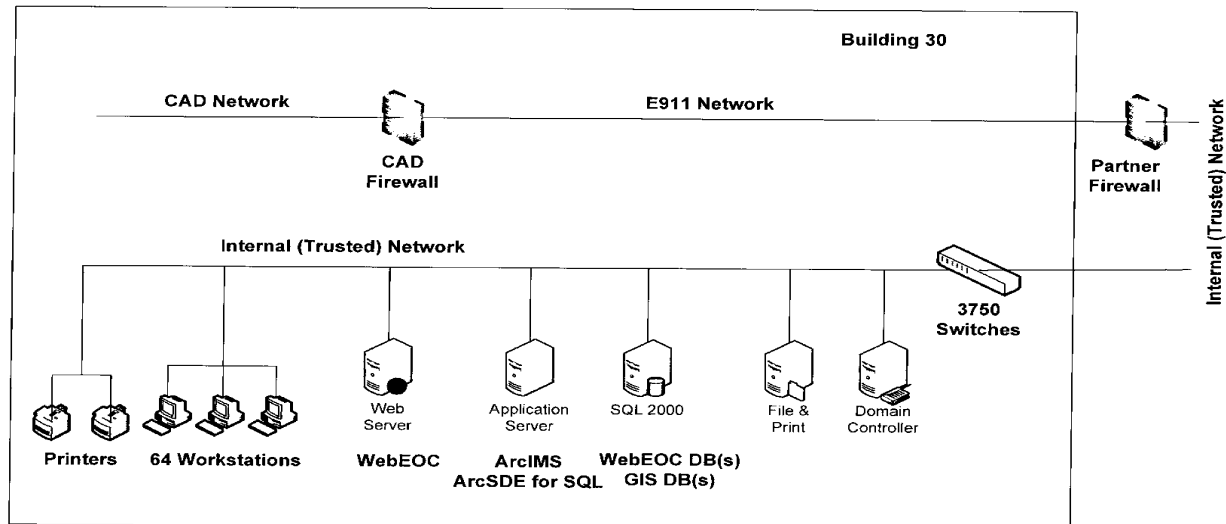
EOC EQUIPMENT



Network Structure



EOC -- GIS Configuration Option B
ArcSDE for SQL used for accessing GIS data stored in SQL 2000 Databases.



Communications

Telephones

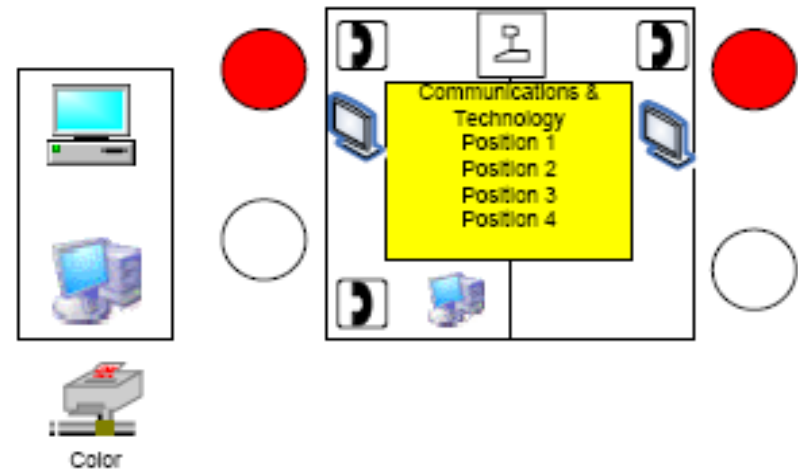
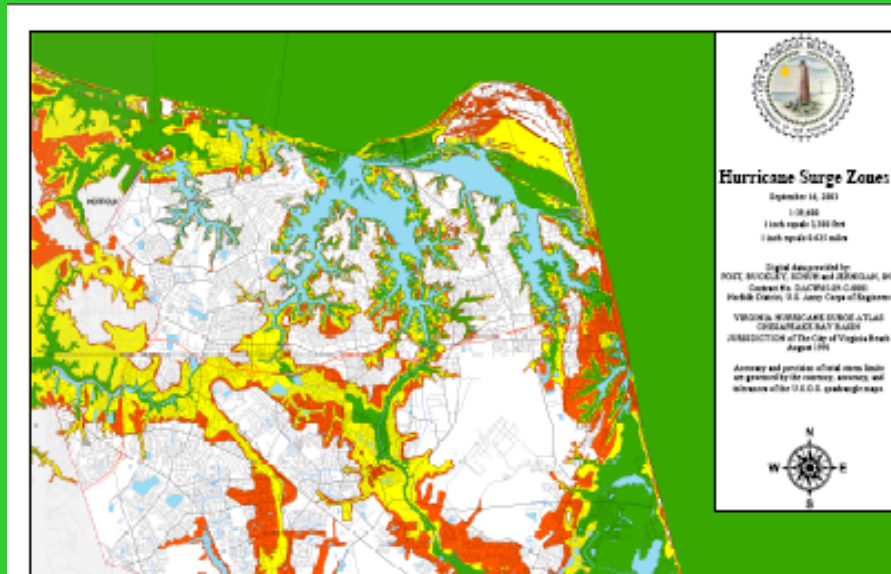
800 Radio

ARES/RACES

Port Security Grant



GIS Software and Systems



Crisis Management Software

WebEOC 6 - Microsoft Internet Expl...

WebEOC®

Admin
Log Off

WebEOC Administrator
Convention Center Explosion

Chat
Checklists
Contacts
Messages

-Position Log-
-Requests for Assistance-
-Section Log-
Assign Mission/Task
Mission/Task
News Release
Significant Events
Situation Reports
Working SITREP
Forms
File Library
MapTac

Significant Events Display - Microsoft Internet Explorer

68	VB Operations Section Chief	Additional water needed for decon
03/02/2006 11:50:00		
Hazardous Materials		Critical
67	911	FBI Agent in Charge arrives on scene.
03/02/2006 11:43:44		
66	WebEOC Administrator	Notification surrounding jurisdctions, request mutal aid and MMRS activation.
03/02/2006 11:41:00		

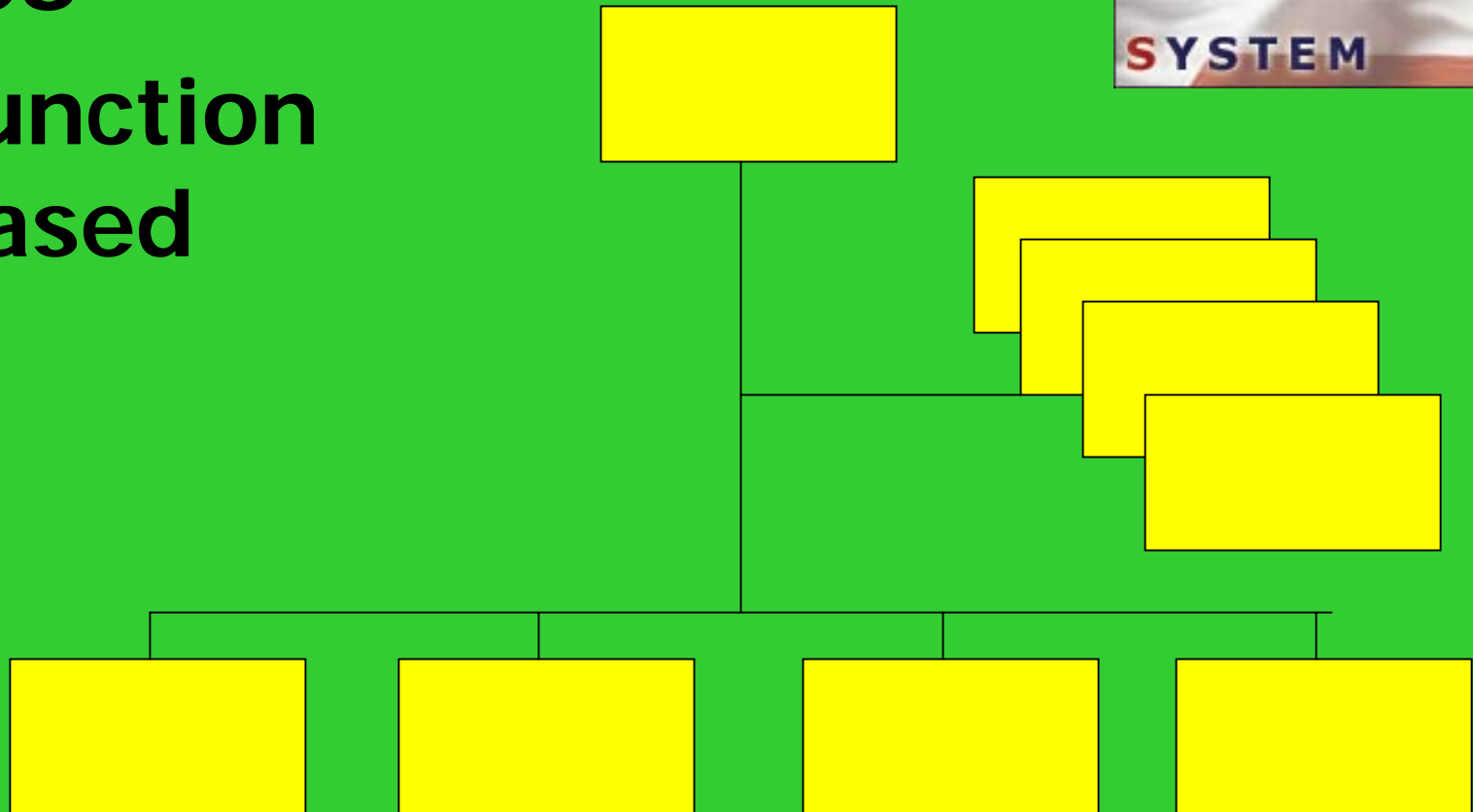
Assign Mission/Task Display - Microsoft Internet Explorer

Convention Center Explosion

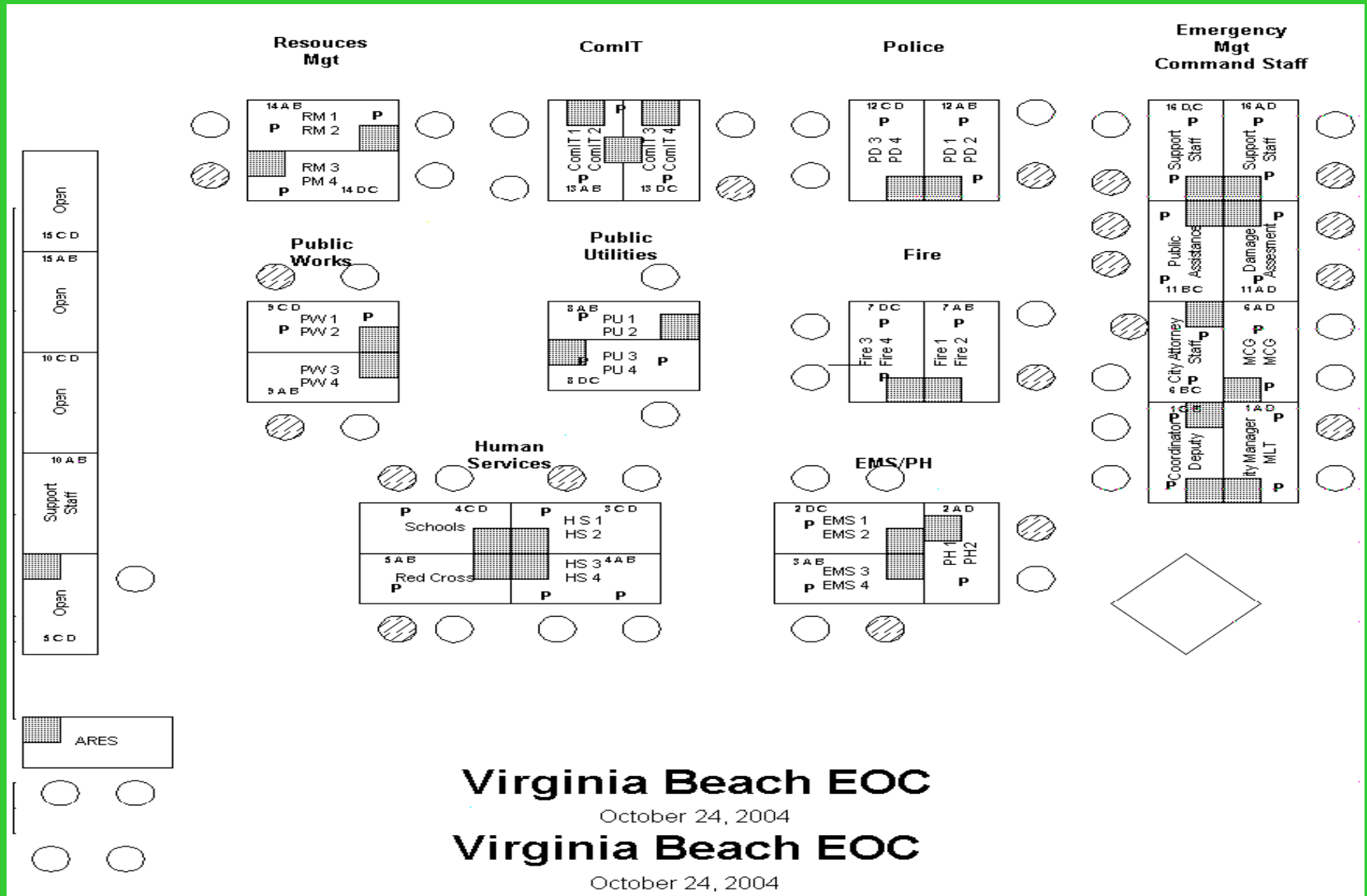
Originator Date/Time	Description/Notes	Assigned To Date/Time	Time Due/Completed	Status	Edit
VB Fire Branch Chief	I need three generators. 2509 Princess Anne Rd. 3, 20 KW, w/ fuel Mark Marchbank	VB Public Utilities Branch Chief	03/02/2006 14:30:00	In Progress	Edit
03/02/2006 14:24:00	working on it...	03/02/2006 14:26:00			
VB Operations Section Chief	Additional water needed for decon Raddison Hotel 500 gals. Operations Chief		03/02/2006 11:50:00	Critical	Edit
03/02/2006 11:50:00		03/02/2006 11:50:00			
VB Operations Section Chief	Request for Regional HazMat Team at Convention Center VB Convention Center Regional HazMat Team Operations Section Chief	VB GIS	03/02/2006 12:00:00	Complete	Edit

EOC Management

- NIMS
- ICS
- Function Based



Incident Command Structure



Virginia Beach EOC Stakeholders

Emergency Management

ComIT/GIS

ECC Manager

Media and Communications Group

ComIT/Public Information

Questions?

Mark Marchbank, C.E.M.

Deputy Coordinator

City of Virginia Beach

Fire Dept./Emergency Management

mmarchba@vbgov.com

757-385-8466